

## Abstract

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A device and a system for measuring temperature in an inaccessible and/or movable mechanical part. The device comprises a temperature-sensitive element which can be installed inside the movable part and which is designed to emit a signal containing information on the temperature of said element, in such a way that this signal can be received by a control unit. The temperature-sensitive element is a SAW chip which is arranged at the lower end of a hole in the mechanical part whose temperature is to be measured and it is connected to a first antenna provided outside said hole in said mechanical part.

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